

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(d))

Docket No.
RLL-1.1US

In Re Application Of

TALWAR et al

Serial No.

09/347,315

Filing Date

July 2, 1999

Examiner

James M. Spear

Group Art Unit

1615

Title: ORALLY ADMINISTERED CONTROLLED DRUG DELIVERY SYSTEM PROVIDING
TEMPORAL AND SPATIAL CONTROL

Address to:

Commissioner for Patents

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Dated: January 30, 2004

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	2,993,836	07/25/61	Nash et al.			
	A2	3,056,143	11/20/62	Christenson et al.			
	A3	3,074,852	01/22/63	Mayron			
	A4	3,079,303	02/26/63	Raff et al.			
	A5	3,133,863	05/19/64	Tansey			
	A6	3,147,187	09/01/64	Playfair			
	A7	3,388,041	06/11/68	Gans et al.			
	A8	3,456,049	07/15/69	Hotko et al.			
	A9	3,627,583	12/14/71	Troy et al.			
	A10	3,629,393	12/21/71	Nakamoto et al.			
	A11	3,639,169	02/01/72	Broeg et al.			
	A12	3,728,445	04/17/73	Bardani			
	A13	3,773,920	11/20/73	Nakamoto et al.			
	A14	3,836,618	09/17/74	Stevens			
	A15	3,864,469	02/04/75	Reiser et al.			
	A16	3,950,508	04/13/76	Mony et al.			
	A17	3,963,832	06/15/76	Hashimoto et al.			
	A18	4,013,820	03/22/77	Farhadieh et al.			
	A19	4,072,535	02/07/78	Short et al.			

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	A20	4,101,650	7/48/78	Umezawa			
	A21	4,140,755	02/20/79	Sheth et al.			
	A22	4,163,777	08/07/79	Mitra			
	A23	4,248,858	02/03/81	Guley et al.			
	A24	4,259,314	03/31/81	Lowey			
	A25	4,308,251	12/29/81	Dunn et al.			
	A26	4,309,405	01/05/82	Guley et al.			
	A27	4,332,789	06/01/82	Mlodozieniec			
	A28	4,344,857	08/17/82	Shasha et al.			
	A29	4,361,545	11/30/82	Powell et al.			
	A30	4,369,172	01/18/83	Schor et al.			
	A31	4,375,468	03/01/83	Dunn			
	A32	4,389,393	06/21/83	Schor et al.			
	A33	4,412,986	11/01/83	Kawata et al.			
	A34	4,424,235	01/03/84	Sheth et al.			
	A35	4,439,453	03/27/84	Vogel			
	A36	4,525,345	06/25/85	Dunn et al.			
	A37	4,542,011	09/17/85	Gleixner			
	A38	4,556,678	12/03/85	Hsiao			

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A39	4,562,069	12/31/85	Hegasy et al.			
	A40	4,590,062	05/20/86	Jang			
	A41	4,601,895	07/22/86	Streuff et al.			
	A42	4,623,394	11/18/86	Nakamura et al.			
	A43	4,666,705	05/19/87	Decrosta et al.			
	A44	4,673,564	06/16/87	Kawata et al.			
	A45	4,690,822	09/01/87	Uemura et al.			
	A46	4,692,337	09/08/87	Ukigaya et al.			
	A47	4,695,463	09/22/87	Yang et al.			
	A48	4,695,467	09/22/87	Uemura et al.			
	A49	4,698,101	10/06/87	Koivurinta			
	A50	4,702,918	10/27/87	Ushimaru et al.			
	A51	4,704,285	11/03/87	Alderman			
	A52	4,755,389	07/05/88	Jones et al.			
	A53	4,765,990	08/23/88	Sugimoto et al.			
	A54	4,777,033	10/11/88	Ikura et al.			
	A55	4,808,413	02/28/89	Joshi et al.			
	A56	4,867,985	09/19/89	Heafield et al.			
	A57	4,892,741	01/09/90	Ohm et al.			

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A58	4,904,699	02/27/90	Bauer			
	A59	4,973,469	11/27/90	Mulligan et al.			
	A60	5,051,263	09/24/91	Barry et al.			
	A61	5,071,642	12/10/91	Lahr et al.			
	A62	5,145,683	09/08/92	Rhodes			
	A63	4,639,458	01/27/87	Katdare			
	A64	4,659,603	04/21/87	Grohe et al.			
	A65	4,695,467	09/22/87	Uemura et al.			
	A66	4,705,788	11/10/87	Schriewer et al.			
	A67	4,705,789	11/10/87	Grohe et al.			
	A68	4,734,285	03/29/88	Alderman			
	A69	4,772,605	09/20/88	Naik et al.			
	A70	4,786,503	11/22/88	Edgren et al.			
	A71	4,803,205	02/07/89	Bridges et al.			
	A72	4,808,583	02/28/89	Grohe et al.			
	A73	4,842,866	06/27/89	Horder et al.			
	A74	4,880,806	11/14/89	Ueda et al.			
	A75	4,880,830	11/14/89	Rhodes			
	A76	4,957,922	09/18/90	Lammens et al.			

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A77	4,973,470	11/27/90	Mills et al.			
	A78	4,978,661	12/18/90	Caruso			
	A79	5,009,895	04/23/91	Lui			
	A80	5,082,669	01/21/92	Shirai et al.			
	A81	5,084,276	01/28/92	Yunker et al.			
	A82	5,093,200	03/03/92	Watanabe et al.			
	A83	5,126,145	06/30/92	Evenstad et al.			
	A84	5,133,974	07/28/92	Paradissis et al.			
	A85	5,145,853	09/08/92	Metzger et al.			
	A86	5,179,096	01/12/93	Gentilini et al.			
	A87	5,219,575	06/15/93	Van Bommel et al.			
	A88	5,225,413	07/06/93	Naik et al.			
	A89	5,256,662	10/26/93	Domagala et al.			
	A90	5,283,065	02/01/94	Doyon et al.			
	A91	5,296,233	03/22/94	Batista et al.			
	A92	5,384,124	1/24/95	Courteille et al.			
	A93	5,419,918	05/30/95	Lundberg			
	A94	5,427,799	06/27/95	Valentine et al.			
	A95	5,484,785	01/16/96	Yeon et al.			

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U.S. PATENT DOCUMENTS

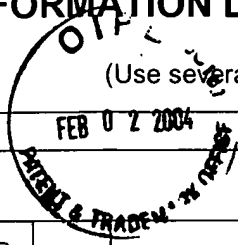
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A96	5,549,913	08/27/96	Colombo et al.			
	A97	5,582,837	12/10/96	Shell			
	A98	5,683,722	11/04/97	Derrieu et al.			
	A99	5,686,095	11/11/97	Price, Jr.			
	A100	5,695,784	12/09/97	Pollinger et al.			
	A101	5,705,190	01/06/98	Broad et al.			
	A102	5,736,161	04/07/98	Garces et al.			
	A103	5,759,579	06/02/98	Singh et al.			
	A104	5,741,519	04/21/98	Rosenberg et al.			
	A105	5,776,445	07/07/98	Cohen et al.			
	A106	5,786,363	07/28/98	Canovas Soler			
	A107	5,788,987	08/04/98	Busetti et al.			
	A108	5,837,292	11/17/98	Dijkgraaf et al.			
	A109	5,840,330	11/24/98	Stemmle et al.			
	A110	5,840,333	11/24/98	Gousset et al.			
	A111	5,849,330	12/15/98	Marvola et al.			
	A112	5,858,409	01/12/99	Karetny et al.			
	A113	5,900,425	05/04/99	Kanikanti et al.			
	A114	5,958,456	09/28/99	Baichwal et al.			

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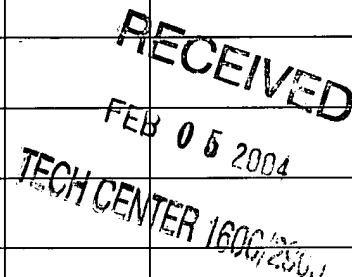
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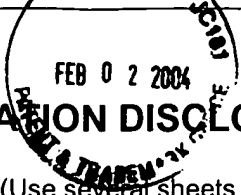
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket No. RLL-1.1US	Serial No. 09/347,315
	Applicants: TALWAR <i>et al.</i>	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A115	5,997,903	12/07/99	Dietrich et al.			
	A116	6,001,391	12/14/99	Zeidler et al.			
	A117	6,017,912	01/25/00	Bussell			
	A118	6,034,100	03/07/00	Adachi et al.			
	A119	6,039,976	03/21/00	Mehra et al.			
	A120	6,077,538	06/20/00	Merrill et al.			
	A121	6,096,339	08/01/00	Ayer et al.			
	A122	6,120,802	09/19/00	Breitenbach et al.			
	A123	6,120,803	09/19/00	Wong et al.			
	A124	6,174,524	01/16/01	Bawa et al.			
	A125	6,183,777	02/06/01	Chen et al.			
	A126	6,190,692	02/20/01	Busetti et al.			
	A127	6,221,393	04/24/01	Collaueri et al.			
	A128	4,444,769	04/24/84	Blume et al.			
	A129	4,526,777	07/02/85	Blume et al.			
	A130	4,547,498	10/15/85	Blume et al.			
	A131	5,399,359	03/21/95	Baichwal			
	A132	5,399,362	03/21/95	Baichwal et al.			
	A133	5,585,115	12/17/96	Sherwood et al.			



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	Applicants: TALWAR <i>et al.</i>	
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	A134	3,726,690	04/10/73	Schuppner			
	A135	3,963,822	06/15/76	Hashimoto et al.			
	A136	4,762,702	08/09/88	Gergely et al.			
	A137	4,792,452	12/20/88	Howard et al.			
	A138	4,803,077	02/07/89	Mitsubishi et al.			
	A139	4,829,056	05/09/89	Sugden			
	A140	4,942,040	07/17/90	Ragnarsson et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	B1	0,103,995	03/28/84	Europe				
	B2	0,146,863	03/07/85	Europe				
	B3	0,181,564	05/21/86	Europe				
	B4	0,182,772	05/28/86	Europe				
	B5	0,190,826	08/13/86	Europe				
	B6	0,200,902	11/12/86	Europe				
	B7	0,232,155	08/12/87	Europe				
	B8	0,207,405	01/07/87	Europe				
	B9	0,180,364	05/07/86	Europe				
	B10	0,357,793	03/14/90	Europe				
	B11	84/00104	01/19/84	WIPO				
	B12	86/02834	05/22/86	WIPO				

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B13	87/00044	01/15/87	WIPO			
B14	87/05212	9/11/87	WIPO			
B15	89/02738	04/06/89	WIPO			
B16	92/06680	04/30/92	WIPO			
B17	95/28916	11/02/95	WIPO			
B18	97/17947	05/22/97	WIPO			
B19	97/26865	07/31/97	WIPO			
B20	1,288,049	08/27/91	CANADA			
B21	1,097,207	12/29/67	UNITED KINGDOM			
B22	1,318,169	05/23/73	UNITED KINGDOM			
B23	2,126,086	03/21/84	UNITED KINGDOM			
B24	2,165,451	04/16/86	UNITED KINGDOM			
B25	2,178,658	02/18/87	UNITED KINGDOM			
B26	2,138,492	01/05/73	FRANCE			
B27	901.111	12/14/84	BELGIUM			
B28	60-174728	09/09/85	JAPAN			

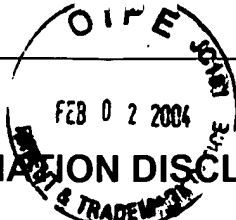
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	STOCKWELL et al., "In Vitro Evaluation Of Alginate Gel Systems As Drug Delivery Systems," <u>Journal of Controlled Release</u> , 3 (1986) pp. 67-175
C2	SLODKI, MOREY E., "Microbial Polysaccharides", Vol. 15, Northern Regional Research Center, U.S. Department of Agriculture, pp. 439-458

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C3	ALGINATE INDUSTRIES LIMITED, "Gel Formation with Alginates", pp. 1-11
C4	INGANI et al., "Conception and in vivo investigation of peroral sustained release floating dosage forms with enhanced gastrointestinal transit," <u>International Journal of Pharmaceutics</u> , 35 (1987) pp. 157-164
C5	TIMMERMANS et al., "How well do floating dosage forms float?", <u>International Journal of Pharmaceutics</u> , 62 (1990) pp. 207-216
C6	UNIVERSITÉ LIBRE de BRUXELLES, "The gelling properties of Xanthan gum (Keltrol®), Vol. II, April 8, 1987

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